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ABSTRACT:

PURPOSE: To reduce wear of a heating element or a charging probe used for recording, by mixing a given amount of heat resistive resin powder as a solid lubricant to a heat sensing recording layer or an electric conductive heat sensing recording layer.

CONSTITUTION: 0.1-10% of ethylene tetrafluoride (max. heat resisting temp. of 288°C) or FEP hydrogen fluoride (max. heat resisting temp. of 204°C) is mixed to a heat sensing coloring agent in which an acid substance such as a phenolic compound is added to crystal violet lactone, or is mixed to an electric conductive heat sensing coloring agent in which powder of an electric conductive material such as zinc oxide or copper iodide is added to crystal violet lactone. Thus obtained coloring agent, together with a required amount of an auxiliary agent, is coated on a base paper, then recording paper having high lubrication effect is manufactured

at lower cost, and the life of heating element or a charging probe used for recording is remarkably extended.

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